



FIG. 1

## FIG. 2

### Box Car Condition Report

Date : MM/DD/YY

Time : TT:TT:TT

Car Numb: \_\_\_\_\_ Inspector: \_\_\_\_\_ Inspection Location: \_\_\_\_\_  
Date: \_\_\_\_\_ Storage Location: \_\_\_\_\_  
Upmarket per SOW ? : \_\_\_\_\_ SOW Number: \_\_\_\_\_ \*SOW = Scope of Work

<u>Car Body</u>	Side sheet dents	:	_____
	Broken welds	:	_____
	Car Body Corrosion	:	_____
	End sheets bowed more than 4"	:	_____
	Side post interference with door oper	:	_____
	Evidence of roof leakage	:	_____
<u>Lading</u>	Car equipped with lading anchors Y/N	:	_____
	Car equipped with load dividers Y/N	:	_____
	Load dividers inoperable	:	_____
<u>Floor</u>	Broken or missing floor boards	:	_____
	Light showing through floor	:	_____
	Protrusions	:	_____
	Dents greater than 1 inch	:	_____
	Missing caulk	:	_____
	Contamination - leaks, odors, dirt, old cmd	:	_____
	Old commodity	:	_____
<u>Interior Walls</u>	Large dented areas	:	_____
	Loose, broken welds	:	_____
	Sharp edge or protrusions over 1/8	:	_____
	End lining bent over 4"	:	_____
	Lining contamination - leaks, odors, dirt	:	_____
<u>Doors</u>	Bent or broken door track & retainers	:	_____
	Missing hardware	:	_____
	Door leaks	:	_____
	Inoperable	:	_____
<u>Cushioning</u>	Defective cushioning or draft units	:	_____
<u>Trucks</u>	Friction casting wedge rise	:	_____
	Worn gibs	:	_____
	Broken springs	:	_____
	Defective center plate	:	_____
<u>Structural</u>	Center sill bent	:	_____
<u>Exterior Paint</u>	Customer logo's	:	_____
	Graffiti	:	_____
	Paint condition	:	_____
<u>Interchange Defects</u>		:	_____
<u>Overall Condition</u>		:	_____
<u>Repair Disposition</u>		:	_____

Comments:

Filing Date: February 13, 2002

Appln. No. 10/075,065

Title: "Railcar Condition Inspection Database" (Moser, et al.)

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Sheet 3 of 9

Docket No. 47440-044001

## FIG. 3

### Hopper Car Condition Report

Date : MM/DD/YY

Time : TT:TT:TT

Car Numb: \_\_\_\_\_ Inspector: \_\_\_\_\_ Inspection Location: \_\_\_\_\_

Date: \_\_\_\_\_ Storage Location: \_\_\_\_\_

Upmarket per SOW ? : \_\_\_\_\_ SOW Number: \_\_\_\_\_ \*SOW = Scope of Work

#### Car Body

Side sheet dents

Broken or loose running boards

Broken Welds

Corrosion

Missing, broken, loose vibrator casting

#### Lading

Leaking gates / hatches

Abrasions or cut gaskets

Broken hatch covers

#### Lining

Car lined ? Y/N :

Lining Date : MM/DD/CCYY

Lining Condition

Rust bleed

Loose or flaking areas

Stains or discoloration

#### Interior

Evidence of leaks

Broken partition welds

Old commodity

Rust

#### Condemnation

Porosity, undercut welds

Intermittent or caulked welds

Suitable for lining? Y/N

#### Trucks

Friction casting wedge rise

Worn gibs

Broken springs

Defective center plate

#### Structural

Center sill bent

#### Exterior Paint

Customer Logo's

Graffiti

Commodity spillage

Paint condition

#### Interchange Defects

#### Overall Condition

#### Repair Disposition

#### Comments:

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General Purpose Tank Car Condition Report

Date: MM/DD/YY

Time: TT:TT:TT

Car Numbr:        Inspector:                       
Date: MM/DD/CCYY Storage Location :                       
Upmarket per SOW ? : SOW Number:                     

Inspection Location:                     

Car Body Shell bent or buckled :  
Jacket bent, buckled or corroded :  
Bottom Outlet Valve Require application of skid protection: :  
Missing or defective caps and chains :  
Top Valves and Accessories Missing or non-approved valves :  
Corroded or inoperative valves :  
Require reduction pipe reinforcement : Y/N  
Gaskets Gaskets worn, broken or missing :  
Lining Car lined ? Y/N : Lining Date = MM/DD/CCYY  
Lining Condition :  
Rust bleed :  
Loose or flaking areas :  
Stains or discoloration :  
Interior Rust :  
Corrosion :  
Interior residue or film :  
Water present :  
Liable condition Suitable for lining? Y/N :  
Require weld overlay repair :  
Requires tank insert repairs :  
Porosity, undercut welds :  
Brackets, sharp edges or transitions :  
Trucks Friction casting wedge rise :  
Worn gibs :  
Broken springs :  
Defective center plate :  
Structural Center or stub sill bent :  
Exterior Paint Customer Logo's :  
Graffiti :  
Commodity spillage :  
Paint Condition :  
Interchange Defects :  
Overall Condition :  
Comments:

FIG. 4

Filing Date: February 13, 2002

Appln. No. 10/075,065

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Sheet 5 of 9

Docket No. 47440-044001

## FIG. 5

### Open Top Hooper & Gondola a Car Condition Report

Date : MM/DD/YY

Time : TT:TT:TT

Car Numb: \_\_\_\_\_ Inspector: \_\_\_\_\_ Inspection Location: \_\_\_\_\_

Date: \_\_\_\_\_ Storage Location: \_\_\_\_\_

Upmarket per SOW ? : \_\_\_\_\_ SOW Number: \_\_\_\_\_ \*SOW = Scope of Work

<u>Car Body</u>	End and side sheets broken	: _____
	End and side sheets bowed	: _____
	Top chords bowed	: _____
	Broken welds	: _____
	Corrosion	: _____
<u>Lading</u>	Leaking gates	: _____
	Gates inoperable	: _____
<u>Interior</u>	Broken floor sheets	: _____
	Broken supports	: _____
	Broken corner caps	: _____
	Interior corrosion	: _____
	Old Commodity	: _____
<u>Trucks</u>	Friction casting wedge rise	: _____
	Worn gibs	: _____
	Broken springs	: _____
	Defective center plate	: _____
<u>Structural</u>	Center sill bent	: _____
<u>Exterior Paint</u>	Customers Logo's	: _____
	Graffiti	: _____
	Commodity spillage	: _____
	Paint condition	: _____
<u>Interchange Defects</u>		: _____
<u>Overall Condition</u>		: _____
<u>Repair Disposition</u>		: _____
<u>Comments</u>		: _____

[illegible]

Date: MM/DD/YY

Time: TT:TT:TT

Lining Date : MM/DD/CCYY

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0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Pressure Differential Car Condition Report

Date: MM/DD/YY

Time: TT:TT:TT

Car Numb: \_\_\_\_\_

Inspector: \_\_\_\_\_

Inspection Location: \_\_\_\_\_

Date: MM/DD/CCYY \_\_\_\_\_

Storage Location: \_\_\_\_\_

Upmarket per SOW ? : \_\_\_\_\_

SOW Number: \_\_\_\_\_

Car Body Side sheet dents and/or hammer marks :

Broken or loose running :

Broken welds :

Corrosion :

Roof sheet buckles :

Outlet System Bone gage box & hardware :

Defective piping, couplings & swivels :

Butterfly valves broken/sign of leakage :

Defective blow down :

Missing/defective pipe caps & gaskets :

Wet and/or dirty aerator pads :

Broken or stained aerator pads :

Hatch Covers Defect/missing hatch cover hardware :

Defective/missing hatch cover gaskets :

Broken hatch covers :

Lining Car lined ? Y/N :

Lining Date : MM/DD/CCYY

Rust bleed :

Loose or flaking areas :

Stains or discoloration :

Lining Condition :

Interior Evidence of leaks :

Old commodity :

Rust :

Condensation :

Porosity undercut welds :

Brackets, sharp edges or transitions :

Intermittent or caulked welds :

Deep discoloration from old commodity :

Suitable for lining ? :

Trucks Friction casting wedge rise :

Worn gibs :

Broken springs :

Defective center plate :

Structural Center sill bent :

Exterior Paint Customer logo :

Graffiti :

Commodity spillage :

Paint condition :

Interchange Defects :

Overall Condition :

Repair Disposition :

Comments:

File 7

Filing Date: February 13, 2002

Appln. No. 10/075,065

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Sheet 8 of 9

Docket No. 47440-044001

## FIG. 8

### Pressure Tank Car Condition Report

Date : MM/DD/YY

Time : TT:TT:TT

Car Numb: \_\_\_\_\_ Inspector: \_\_\_\_\_ Inspection Location: \_\_\_\_\_

Date: \_\_\_\_\_ Storage Location: \_\_\_\_\_

Upmarket per SOW ? : \_\_\_\_\_ SOW Number: \_\_\_\_\_ \*SOW = Scope of Work

<u>Car Body</u>	Shell bent or buckled	: _____
	Jacket bent, buckled or corroded	: _____
	Corrosion	: _____
	Roof sheet buckles	: _____
<u>Top Valves &amp; Accessories</u>		
	Missing or non-approved valves	: _____
	Corroded or inoperative valves	: _____
	Missing or defective plugs and chains	: _____
<u>Gaskets</u>	Gaskets worn, broken or missing	: _____
<u>Interior</u>	Rust	: _____
	Corrosion	: _____
	Interior residue or film	: _____
<u>Trucks</u>	Friction casting wedge rise	: _____
	Worn gibs	: _____
	Broken Springs	: _____
	Defective center plate	: _____
<u>Structural</u>	Center or stub sill bent	: _____
<u>Exterior Paint</u>	Customer Logo	: _____
	Graffiti	: _____
	Commodity spillage	: _____
	Paint condition	: _____
<u>Exterior Coating</u>	Exterior cleaning req. (DOT)	: _____
	Thermobond protection	: _____
	Thermobond protection repairs	: _____
<u>Interchange Defects</u>		: _____
<u>Overall Condition</u>		: _____
<u>Comments</u>		: _____



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Condition Form

Date : MM/DD/YY  
Time : TT:TT:TT

Car Number: \_\_\_\_\_ Inspector: \_\_\_\_\_ Inspection Location: \_\_\_\_\_  
Date: \_\_\_\_\_ Storage Location: \_\_\_\_\_  
Upmarket per SOW ? \_\_\_\_\_ SOW Number: \_\_\_\_\_ \*SOW = Scope of Work

-----  
Car\_Body: Side sheet dents : \_\_\_\_\_  
Broken welds : \_\_\_\_\_  
Car body corrosion : \_\_\_\_\_  
Lading: Trailer Hitches : \_\_\_\_\_  
Tie Down and Load Restraining Devices : \_\_\_\_\_  
Floor: Broken or missing flooring : \_\_\_\_\_  
Cushioning: Defective cushioning or draft units : \_\_\_\_\_  
Trucks: Friction casting wedge rise : \_\_\_\_\_  
Worn gibs : \_\_\_\_\_  
Broken Springs : \_\_\_\_\_  
Defective center plate : \_\_\_\_\_  
Structural: Center sill bent : \_\_\_\_\_  
Exterior\_Paint: Customer logo's : \_\_\_\_\_  
Graffiti : \_\_\_\_\_  
Paint condition : \_\_\_\_\_  
Interchange: Defects : \_\_\_\_\_  
Overall\_Condition: : \_\_\_\_\_  
Repair\_Disposition: : \_\_\_\_\_  
Comments: \_\_\_\_\_

FIG. 9